

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	318	375/264	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 10:51
L4	50	O/E and E/O and quadrature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 10:52
L5	1	3 AND 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 10:52
S1	41	high adj order adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 08:53
S2	0	quadrature adj modulation with pass adj band adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:28
S3	1867	quadrature adj modulation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:01
S4	2532	pass adj band adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:44
S5	17	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:30
S6	836	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:30

S7	4	S4 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:31
S8	9736	qam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:29
S9	64	S4 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:32
S10	43560	pass near band adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:45
S11	84	S6 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 09:45
S12	4028	quadrature adj modulats\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:02
S13	497	S10 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:02
S14	76	S10 with S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:11
S15	146	S10 same S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:11
S16	672	S8 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:29

S17	40	S8 with S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 10:29
S18	1114	455/91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 12:41
S19	56	S10 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 12:42
S20	37	S12 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 12:42
S21	3	S20 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/01 12:43
S22	2	"6563387".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/27 15:56
S23	836	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:11
S24	4018	quadrature adj modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:03
S25	8367	digital adj modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 10:58
S26	502	(quadrature adj modulat\$5) and (digital adj modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 10:59

S27	54	375/298 and ((quadrature adj modulat\$5) and (digital adj modulat\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 10:59
S28	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	OR	OFF	2004/09/28 13:00
S29	1	"6339621".URPN.	USPAT	OR	OFF	2004/09/28 13:09
S30	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	OR	OFF	2004/09/28 13:19
S31	634	(sigma near delta) near modulator and second adj order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 14:00
S32	1	(375/298 and ((quadrature adj modulat\$5) and (digital adj modulat\$5))) and ((sigma near delta) near modulator and second adj order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 13:48
S33	2	((quadrature adj modulat\$5) and (digital adj modulat\$5)) and ((sigma near delta) near modulator and second adj order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 13:48
S34	810	(sigma near delta) near modulator near4 order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 14:01
S35	85	(digital adj modulat\$5) and ((sigma near delta) near modulator near4 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 15:03
S36	2	((quadrature adj modulat\$5) and (digital adj modulat\$5)) and ((sigma near delta) near modulator near4 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 14:02

S37	42237	band adj pass near filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 15:10
S38	493	(quadrature adj modulat\$5) and (band adj pass near filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 15:14
S39	84	375/298 and (band adj pass near filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 15:40
S40	1803	RF adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 15:40
S41	39	(quadrature adj modulat\$5) and (RF adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 15:42
S42	7	375/298 and (RF adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 16:31
S43	56416	power adj amplifier\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 16:32
S44	885	(quadrature adj modulat\$5) and (power adj amplifier\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 16:33
S45	230	375/298 and (power adj amplifier\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 16:33
S46	92	(quadrature adj modulat\$5) and (375/298 and (power adj amplifier\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 16:48

S47	318	amplitude adj modulation with power adj amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 17:12
S48	48	(quadrature adj modulat\$5) and (amplitude adj modulation with power adj amplifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 16:51
S49	26	(amplitude adj modulation) with (using near4 (power adj amplifier\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 17:44
S50	13	(amplitude adj modulation) with (power adj supply near4 (power adj amplifier\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 17:48
S51	11	"4896372".pn. "3506920".pn. "3588744".pn. "3413570".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:21
S52	173	(amplitude adj modulator) with (power adj amplifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:39
S53	836	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:25
S54	3	((amplitude adj modulator) with (power adj amplifier)) and 375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:25
S55	4018	quadrature adj modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:26
S56	15	((amplitude adj modulator) with (power adj amplifier)) and (quadrature adj modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:26

S57	3	(amplitude adj modulator) with (power adj amplifier) with (quadrature near modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:43
S58	14	(amplitude adj modulator) with (power adj amplifier) with mixer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 10:24
S59	24	(power adj amplifier) with (dual adj gate adj FET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:59
S60	2	"4465980".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 08:59
S61	0	(amplitude adj modulator) with (power adj amplifier) with (dual adj gate adj FET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 10:24
S62	2	(amplitude adj modulator) with (dual adj gate adj FET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 10:25
S63	4018	quadrature adj modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:04
S64	1	(quadrature adj modulat\$5) and O/e and E/O with converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:05
S65	1	(quadrature adj modulat\$5) and O/e with converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:08
S66	720	O/e adj converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:08

S67	343	O/e adj converter and e/o adj converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:09
S68	836	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:12
S69	1	(O/e adj converter and e/o adj converter) and 375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:12
S70	109	(O/e adj converter and e/o adj converter) and modulation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 11:51
S71	16	(O/e adj converter and e/o adj converter) and QAM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 12:23
S72	1728	sigma adj delta adj modulator\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 12:25
S73	1124	n adj th adj order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 12:50
S74	1	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and ((quadrature adj modulat\$5) and O/e and E/O with converter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 12:27
S75	11	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and (n adj th adj order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 12:27
S76	4	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and (n near3 order adj integrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 12:51



S77	10	n near3 order adj integrator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 14:11
S78	272	(sigma adj delta adj modulator\$1) and integrator and quantizer and feedback	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 13:10
S79	40	(sigma adj delta adj modulator\$1) and integrator and quantizer and feedback and n adj4 order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 13:11
S80	30150	n near3 order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 13:58
S81	145	(sigma adj delta adj modulator\$1) and (n near3 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 13:59
S82	25	n near3 order near3 integrator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 14:14
S83	6	(sigma adj delta adj modulator\$1) and (n near3 order near3 integrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 14:14
S84	94072	low adj pass adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 15:42
S85	519	(sigma adj delta adj modulator\$1) and (low adj pass adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 15:47
S86	7	(quadrature adj modulat\$5) and ((sigma adj delta adj modulator\$1) and (low adj pass adj filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 15:42

S87	4	375/298 and ((sigma adj delta adj modulator\$1) and (low adj pass adj filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 15:44
S88	97	(sigma adj delta adj modulator\$1) with (low adj pass adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 15:55
S89	0	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and (quadrature adj modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 15:56
S90	0	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and 375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 15:56
S91	1	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and QAM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 17:05
S92	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	OR	OFF	2004/09/29 16:38
S93	105	bit adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 17:12
S94	0	two-bits adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 17:12
S95	4	two-bit adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 17:14

S96	10	m-bit adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 18:35
S97	312	375/302	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 18:36
S98	6	(sigma adj delta adj modulator\$1) and 375/302	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 18:35
S99	215	375/300	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 18:37
S10 0	2	(sigma adj delta adj modulator\$1) and 375/300	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 18:36
S10 1	2353	375/295	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/29 18:37
S10 2	31	(sigma adj delta adj modulator\$1) and 375/295	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 07:17
S10 3	3	"6717998".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 07:23
S10 4	2	"6563387".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 07:23
S10 5	2	"6563387".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S10 6	818	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 10:51
S10 7	4340	quadrature adj modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S10 8	8916	digital adj modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S10 9	534	((quadrature adj modulat\$5) and (digital adj modulat\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S11 0	51	375/298 and ((quadrature adj modulat\$5) and (digital adj modulat\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S11 1	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	OR	OFF	2005/04/19 07:47
S11 2	2	"6339621".URPN.	USPAT	OR	OFF	2005/04/19 07:47
S11 3	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	OR	OFF	2005/04/19 07:47
S11 4	710	(sigma near delta) near modulator and second adj order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S11 5	1	(375/298 and ((quadrature adj modulat\$5) and (digital adj modulat\$5))) and ((sigma near delta) near modulator and second adj order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S11 6	2	((quadrature adj modulat\$5) and (digital adj modulat\$5)) and ((sigma near delta) near modulator and second adj order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S11 7	918	(sigma near delta) near modulator near4 order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S11 8	96	(digital adj modulat\$5) and ((sigma near delta) near modulator near4 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S11 9	2	((quadrature adj modulat\$5) and (digital adj modulat\$5)) and ((sigma near delta) near modulator near4 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 0	44520	band adj pass near filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 1	524	(quadrature adj modulat\$5) and (band adj pass near filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 2	87	375/298 and (band adj pass near filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 3	1979	RF adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 4	45	(quadrature adj modulat\$5) and (RF adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S12 5	8	375/298 and (RF adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 6	60030	power adj amplifier\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 7	1001	(quadrature adj modulat\$5) and (power adj amplifier\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 8	232	375/298 and (power adj amplifier\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S12 9	92	(quadrature adj modulat\$5) and (375/298 and (power adj amplifier\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 0	361	amplitude adj modulation with power adj amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 1	59	(quadrature adj modulat\$5) and (amplitude adj modulation with power adj amplifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 2	29	(amplitude adj modulation) with (using near4 (power adj amplifier\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 3	19	(amplitude adj modulation) with (power adj supply near4 (power adj amplifier\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 4	12	"4896372".pn. "3506920".pn. "3588744".pn. "3413570".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S13 5	188	(amplitude adj modulator) with (power adj amplifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 6	818	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 7	3	((amplitude adj modulator) with (power adj amplifier)) and 375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 8	4340	quadrature adj modulats5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S13 9	18	((amplitude adj modulator) with (power adj amplifier)) and (quadrature adj modulats5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 0	5	(amplitude adj modulator) with (power adj amplifier) with (quadrature near modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 1	16	(amplitude adj modulator) with (power adj amplifier) with mixer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 2	25	(power adj amplifier) with (dual adj gate adj FET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 3	2	"4465980".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 4	0	(amplitude adj modulator) with (power adj amplifier) with (dual adj gate adj FET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S14 5	2	(amplitude adj modulator) with (dual adj gate adj FET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 6	4340	quadrature adj modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 7	1	(quadrature adj modulat\$5) and O/e and E/O with converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 8	1	(quadrature adj modulat\$5) and O/e with converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S14 9	777	O/e adj converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 0	370	O/e adj converter and e/o adj converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 1	818	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 2	1	(O/e adj converter and e/o adj converter) and 375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 3	119	(O/e adj converter and e/o adj converter) and modulation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 4	16	(O/e adj converter and e/o adj converter) and QAM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 08:09



S15 5	1972	sigma adj delta adj modulator\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 6	1191	n adj th adj order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 7	1	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and ((quadrature adj modulat\$5) and O/e and E/O with converter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 8	12	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and (n adj th adj order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S15 9	4	((sigma adj delta adj modulator\$1) and integrator and quantizer and feedback) and (n near3 order adj integrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 0	11	n near3 order adj integrator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 1	310	(sigma adj delta adj modulator\$1) and integrator and quantizer and feedback	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 2	44	(sigma adj delta adj modulator\$1) and integrator and quantizer and feedback and n adj4 order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 3	32412	n near3 order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 4	164	(sigma adj delta adj modulator\$1) and (n near3 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S16 5	28	n near3 order near3 integrator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 6	6	(sigma adj delta adj modulator\$1) and (n near3 order near3 integrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 7	99251	low adj pass adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 8	601	(sigma adj delta adj modulator\$1) and (low adj pass adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S16 9	7	(quadrature adj modulat\$5) and ((sigma adj delta adj modulator\$1) and (low adj pass adj filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 0	4	375/298 and ((sigma adj delta adj modulator\$1) and (low adj pass adj filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 1	115	(sigma adj delta adj modulator\$1) with (low adj pass adj filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 2	0	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and (quadrature adj modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 3	0	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and 375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 4	1	((sigma adj delta adj modulator\$1) with (low adj pass adj filter)) and QAM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47


S17 5	18	("5121412"   "5175514"   "5225795"   "5345406"   "5418818"   "5432483"   "5446423"   "5469475"   "5534827"   "5534828"   "5627499"   "5701106"   "5714916"   "5727024"   "5764171"   "5767750"   "5768315"   "5909460").PN.	USPAT	OR	OFF	2005/04/19 07:47
S17 6	117	bit adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 7	0	two-bits adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 8	4	two-bit adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S17 9	10	m-bit adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 0	310	375/302	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 1	6	(sigma adj delta adj modulator\$1) and 375/302	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 2	211	375/300	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 3	2	(sigma adj delta adj modulator\$1) and 375/300	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S18 4	2092	375/295	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 5	34	(sigma adj delta adj modulator\$1) and 375/295	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 6	3	"6717998".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 7	2	"6563387".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 8	46	high adj order adj sigma adj delta adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S18 9	0	quadrature adj modulation with pass adj band adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 0	2011	quadrature adj modulation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 1	2662	pass adj band adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 2	18	S190 and S191	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 3	818	375/298	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S19 4	4	S191 and S193	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 5	10834	qam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 6	72	S191 and S195	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 7	45863	pass near band adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 8	87	S193 and S197	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S19 9	4340	quadrature adj modulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 0	526	S197 and S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 1	79	S197 with S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 2	154	S197 same S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 3	730	S195 and S197	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47

S20 4	42	S195 with S197	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 5	562	455/91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 6	46	S197 and S205	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 7	34	S199 and S205	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 8	3	S207 and S197	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 07:47
S20 9	43351	O/E WTH E/O WITH QAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 07:57
S21 0	0	O/E with E/O with QAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 09:48
S21 1	3	O/E same E/O same QAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 07:57
S21 2	52	O/e and e/o and QAM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/19 08:10
S21 3	0	("2003/0035183").URPN.	USPAT	OR	ON	2005/04/19 08:12
S21 4	2	10-163561	USPAT	OR	ON	2005/04/19 08:12

S21 5	2	10-309981	US-PGPUB; USPAT; USOCR; EPC; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 08:13
S21 6	1	O/E with E/O with quadrature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 09:49
S21 7	2	O/E same E/O same quadrature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 09:50
S21 8	50	O/E and E/O and quadrature	US-PGPUB; USPAT; USOCR; EPC; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/19 10:52


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**Koh, Jun-Ho / Chun, Kyong-Joon / Kang, Byung-Chang / Oh, Yun-Je / SAMSUNG ELECTRONICS CO., LTD., EUROPEAN PATENT APPLICATION**, Feb 2004  
 ...Amplitude Modulators (**QAM**) 170, a plurality of frequency **converters** 180, a signal combiner...electric/optical (**E/O**) **converter** 200...broadcast signal. The **E/O converter** 200 **E/O** converts...laser diode as the **E/O converter** 200, which outputs...  
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**LEATHERBURY, Ryan, M. / JOHNSON, Robert, Edward / BEENS, Jason, A. / ADVENT NETWORKS, INC., PATENT COOPERATION TREATY APPLICATION**, Feb 2003  
 A communication system (100) for providing dedicated bandwidth to at least one subscriber location (109) for transmitting to a common point of distribution via an HFC network, includes a channel interface (305) which includes a transmitter for...  
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- ☐ 4. [THROUGH-TIMING OF DATA TRANSMITTED ACROSS AN OPTICAL COMMUNICATIONS SYSTEM UTILIZING FREQUENCY DIVISION MULTIPLEXING](#)  
**NEWELL, Laurence, J. / KESTREL SOLUTIONS, INC., PATENT COOPERATION TREATY APPLICATION**, Apr 2001  
 ...modulator 640, FDM multiplexer 245 and **E/O converter** 240, coupled in series. The modulator...single signal using FDM techniques. **E/O converter** 240 converts this single signal...electrical to optical form 120. The **E/O converter** 240 preferably includes an optical...  
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- ☐ 5. DISTRIBUTED BLOCK FREQUENCY CONVERTER  
**HINSON, Scott, R. / ADVENT NETWORKS, INC., PATENT COOPERATION TREATY APPLICATION**, Feb 2003  
DISTRIBUTED BLOCK FREQUENCY **CONVERTER** FIELD OF THE INVENTION  
The...distributed block frequency **converter** that combines and up converts...agility, however, the down- **converter** synthesizers may be adjustable...quadrature amplitude modulation (**QAM**) or Frequency Shift Keying...  
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- ☐ 6. TIME DIVISION MULTIPLEXING OVER BROADBAND MODULATION METHOD AND APPARATUS  
**LEATHERBURY, Ryan, M / JOHNSON, Robert, Edward, Lee / ADVENT NETWORKS, INC., PATENT COOPERATION TREATY APPLICATION**, Sep 2002  
...quadrature amplitude modulator (**QAM**). A **QAM** 30 256 modulator is implemented...in the downstream direction, i.e., the flow of traffic from the...embodiment employing 6 MHz channels and **QAM**-256 modulation, each frequency...corresponding segmented data packet, i.e., verifying that the offset value...  
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- ☐ 7. OPTICAL COMMUNICATIONS SYSTEM UTILIZING FREQUENCY DIVISION MULTIPLEXING  
**COWARD, James, F. / KESTREL SOLUTIONS, INC., PATENT COOPERATION TREATY APPLICATION**, Dec 2001  
...an FDM multiplexer coupled to an **E/O converter**. The FDM multiplexer combines the...electrical high- speed channel. The **E/O converter** converts the electrical high-speed...signal using FDM techniques, and **E/O converter** 240 converts this single signal...  
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- ☐ 8. VARIABLE RATE HIGH-SPEED INPUT AND OUTPUT IN OPTICAL COMMUNICATION NETWORKS  
**NEWELL, Laurence, J. / KESTREL SOLUTIONS, INC., PATENT COOPERATION TREATY APPLICATION**, Nov 2001  
...modulator 640, FDM multiplexer 245 and **E/O converter** 240, coupled in series. The modulator...single signal using FDM techniques. **E/O converter** 240 converts this single signal...electrical to optical form 120. The **E/O converter** 240 preferably includes an optical...  
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- ☐ 9. CHANNEL GAIN CONTROL FOR AN OPTICAL COMMUNICATIONS SYSTEM UTILIZING FREQUENCY DIVISION MULTIPLEXING  
**COWARD, James, F. / KESTREL SOLUTIONS, INC., PATENT COOPERATION TREATY APPLICATION**, Mar 2001  
...communications system further includes an **E/O converter**, an optical fiber, an **O/E converter**, a FDM demultiplexer and monitor circuitry, and a control system. The **E/O converter** converts the electrical high-speed...  
**Full text available at patent office. For more in-depth searching go to LexisNexis similar results**
- ☐ 10. SYSTEM AND METHOD FOR SPECTRALLY EFFICIENT TRANSMISSION OF DIGITAL DATA OVER OPTICAL FIBER  
**ROWAN, Michael, W. / CHANG, Peter / COWARD, James, F. / TAUR, Roger, R. / WILSON, Stuart / YEE, Ting, K. / KESTREL SOLUTIONS, INC., PATENT COOPERATION TREATY APPLICATION**, Sep 1999  
...quadrature amplitude modulation (**QAM**) and frequency division...to electrical form by an **O/E converter** stage coupled to the modulation...the analog domain by A/D **converters** for subsequent processing. In alternate embodiments, the **QAM** modulation may be implemented...  
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**MONTA, Peter / RGB NETWORKS, INC., PATENT COOPERATION TREATY APPLICATION**, Sep 2004  
 ...particularly to multi-channel **QAM** modulation of digital television...standard for digital cable television **QAM** stream encoding (e.g. ITU-T J.83 Annex A or Annex...according to a set of baseband **QAM** encoding rules (e.g., 256-**QAM**). **QAM**- encoded data...  
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☐ 2. Broadcast/communication unified passive optical network system  
**Koh, Jun-Ho / Chun, Kyong-Joon / Kang, Byung-Chang / Oh, Yun-Je / SAMSUNG ELECTRONICS CO., LTD., EUROPEAN PATENT APPLICATION**, Feb 2004  
 ...of Quadrature Amplitude Modulators (**QAM**) 170, a plurality of frequency converters...combiner 190 and an electric/optical (**E/O**) converter 200. The quadrature amplitude...signals as one broadcast signal. The **E/O** converter 200 **E/O** converts and transmits the broadcast...  
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 ...the ETSI- BRAN HIPERACCESS system, as well as other broadband radio system specifications, including the radio physical layer (i.e. the air interface requirements) and the DLC (Data Link Control) layer (consisting of the MAC and LLC sublayers). We also study...  
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 Jul 2001  
 Simulation and Experimental Study of SCM/WDM Optical Systems Renxiang Huang

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B.S.E.E., Beijing University of Posts & Telecommunications, 1993 Submitted to the Department of Electrical Engineering and Computer...

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Estimates of...all points in a 16-**QAM** input alphabet...Gaussian Channel with 16-**QAM** input alphabet. 117...170 xi L I S T O F F I G U R E S 1-1 A block of the...  
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Apr 2002  
...IEEE-SA Standards Board 445 Hoes Lane P.O. Box 1331 Piscataway, NJ 08855-1331  
USA Note...Technical Editors, Standard 802.16.1 Glen E. Sater, 802.16.1 MAC Editor Jeffrey R. Foerster...Aggarwal Mark D. Bowman Gary R. Engmann Harold E. Epstein H. Landis Floyd Jay Forster\* Howard...  
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... were presented: 1) **Quadrature** Phase shift method ... Replace the word opto-electronic (**O/E**) **converter**' in se  
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**Adachi, Hisashi / Iida, Masanori / Asakura, Hiroyuki / MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., EUROPEAN PATENT APPLICATION**, Dec 2001

...signal of the **quadrature** modulator 403...signal by the **E/O converter** 423 composed...stages after the **quadrature** modulator...comprising: **E/O converters** each for converting...each of said **O/E converters** is input to said **quadrature** modulator thereby...

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...190 and an electric/optical (**E/O**) **converter** 200. The **quadrature** amplitude modulators 170 change...as one broadcast signal. The **E/O converter** 200 **E/O** converts and transmits...employ a laser diode as the **E/O converter** 200, which outputs light having...

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**ROBERTS, Kim B. / STRAWCZYNSKI, Leo / O'apos / SULLIVAN, Maurice S. / NORTEL NETWORKS LIMITED, PATENT COOPERATION TREATY APPLICATION**, Oct 2004

...conventional Electrical-to- Optical (**E/O**) **converter** 12. The optical signal EN(t) is...optical signal EiN(t) 10a by the **E/O converter** 12, multiplexed into a WDM signal...signal EN(t) 10 generated by the **E/O converter** 12 in the conventional system of...

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☐ 4. [RADIO BASE STATION RECEIVER HAVING DIGITAL FILTERING AND REDUCED SAMPLING FREQUENCY](#)
**BUSCAGLIA, Flavio / BERNASCONI, Valerio / PIRELLI & C. S.p.A., PATENT COOPERATION TREATY APPLICATION**, Jul 2004

...external mobile terminal, i.e. relating to a different operator...transmitted to an analog- digital **converter** and then to an optical transmitter...use of costly electro-optical

Refine you  
using the  
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data rate  
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digital filter  
frequency c  
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transmitter  
up convert  
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☐ **5. OPTICAL DISPERSION COMPENSATION IN THE ELECTRICAL DOMAIN IN AN OPTICAL COMMUNICATIONS SYSTEM**

**McNICOL, John / PARSONS, Kieran / STRAWCZYNSKI, Leo / ROBERTS, Kim, B. / O'SULLIVAN, Maurice, S. / NORTEL NETWORKS LIMITED, PATENT COOPERATION TREATY APPLICATION, Apr 2004**

...represented by an electrical-to- optical **converter (E/O) 2** which operates to convert an...represented by an optical-to- electrical **converter (O/E) 6** which detects the optical signal...**E/O**) and optical-to-electrical (**O/E**) **converters 2** and **6** separated by an optical...

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☐ **6. MODULAR SURVEILLANCE SYSTEM FOR MONITORING CRITICAL ENVIRONMENTS**

**DONATO, Giuseppe / ENERGY LASER S.R.L., PATENT COOPERATION TREATY APPLICATION, Aug 2004**

...are either of the i thermographic type, i.e., characterized by radiation that originates...and is preferably of the tunable type, i.e., it comprises a filter for selecting the...can be obtained by means of known signal **quadrature** and orthogonalization methods, with "Spread...

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☐ **7. HELMET FOR DISPLAYING ENVIRONMENTAL IMAGES IN CRITICAL ENVIRONMENTS**

**DONATO, Giuseppe / ENERGY LASER S.R.L., PATENT COOPERATION TREATY APPLICATION, Aug 2004**

...are either of the thermographic type, i.e., characterized by radiation that originates...and is preferably of the tunable type, i.e., it comprises a filter for selecting the...can be obtained by means of known signal **quadrature** and orthogonalization methods, with "Spread...

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☐ **8. ELECTRICAL DOMAIN MITIGATION OF POLARIZATION DEPENDENT EFFECTS IN AN OPTICAL COMMUNICATIONS SYSTEM**

**ROBERTS, Kim / STRAWCZYNSKI, Leo / COMEAU, Adrien / MCNICOL, John / O'SULLIVAN, Maurice / PARSONS, Kieran / NORTEL NETWORKS LIMITED, PATENT COOPERATION TREATY APPLICATION, Apr 2004**

...conventional Electrical-to-Optical (**E/O**) **converter 12**. As the optical signal KIN...conventional Optical-to-Electrical (**O/E**) **converter 18**. In accordance with the present...optical signal E1IN() 10a by the **E/O converter 12** and transmitted through the...

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☐ **9. เครื่องบันทึกโทรศัพท์**

May 2004

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Aug 2003

...based on an electrical/optical (**E/O**) **converter** and optical amplifiers in the transmitter...side, and an optical/electrical (**O/E**) **converter** in the receiver side. However...converted into an optical signal by the **E/O converter**. The optical signal output from...



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